



COLEMAN PETROLEUM ENGINEERING COMPANY

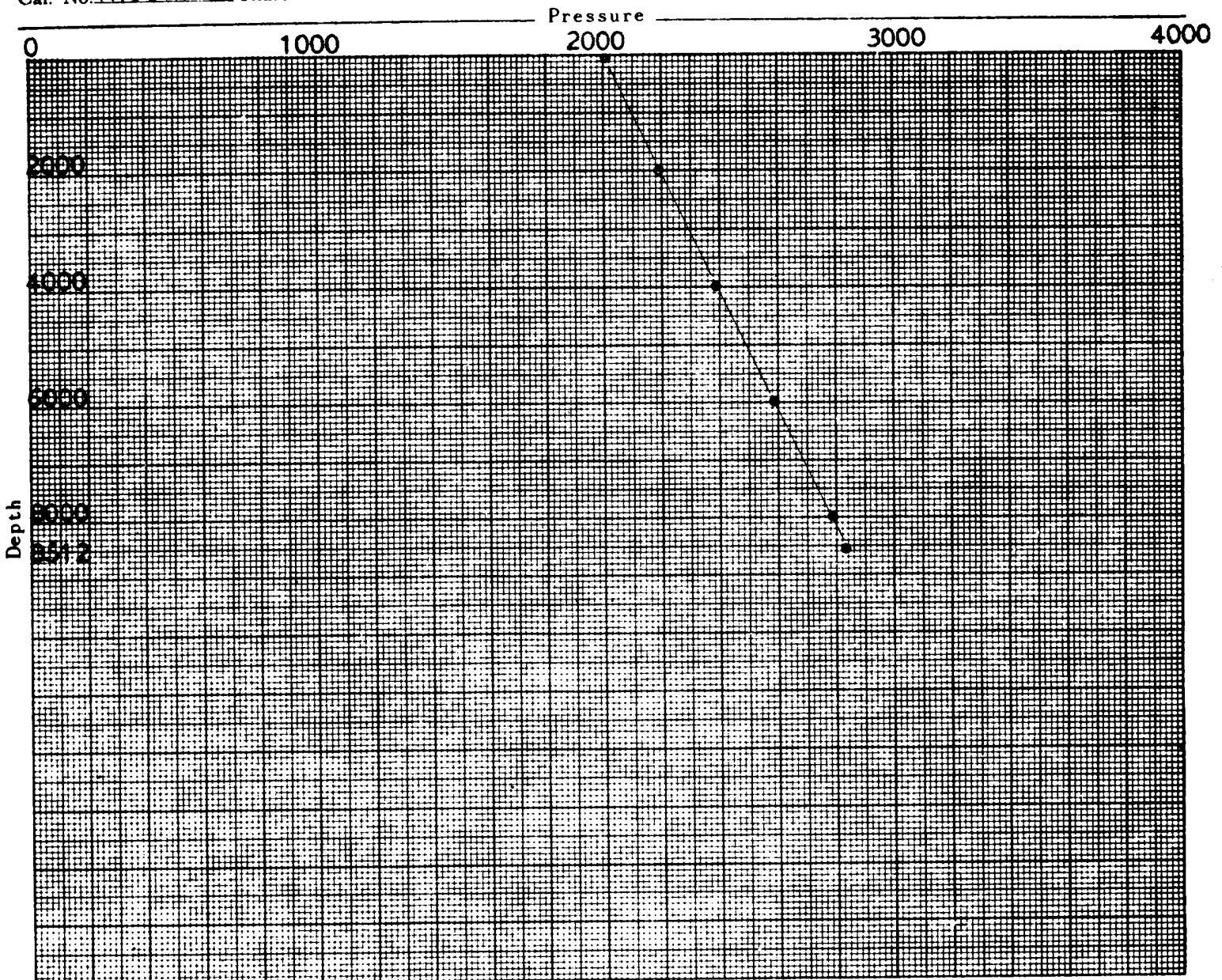
PHONE EXPRESS 3-3813
611 GRIMES
P. O. BOX 1829
HOBBS, NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

OPERATOR **PENNZOIL UNITED, INC.**
FIELD **UNDESIGNATED** FORMATION **PENN**
LEASE **PUBCO 33 FEDERAL** WELL No. **1**
COUNTY **CHAVES** STATE **NEW MEXICO**
DATE **10-15-68** TIME **11:30 AM**
Status **SHUT IN** Test depth **8512'**
Time S. I. **14.0 DAYS** Last test date **9-30-68**
Tub Pres. **2003 DWT** BHP last test **2804**
Cas. Pres. **PKR** BHP change **42# GAIN**
Elev. **4259' GL** Fluid top **NONE**
Datum **(-4253') **** Water top **NONE**
Temp. @ **154°F** Run by **ALLMAN**
Cal. No. **A4586N** Chart No. **1**

Depth	Pressure	Gradient
0	2003	-
2000	2197	.092
4000	2395	.099
6000	2595	.100
8000	2795	.100
8512(-4253)	2846**	.100

** MID POINT OF CASING PERFORATIONS



12 11 2009

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COMPANY PENNECOIL UNITED, INC.
 WELL PURCO 33 FEDERAL NO. 1
 LOCATION P 35 8 S 31 E
 COUNTY CHAVES NEW MEXICO
 DATE 10-15-68

$P_c^2 - P_w^2$ THOUSANDS

ABSOLUTE OPEN FLOW = 2 055 MCFD

$P_c^2 = 8175.0$

$Q_1 = 3400$ MCFD, $\text{LOG} = 3.53148$

$Q_2 = 955$ MCFD, $\text{LOG} = 2.98000$
 $n = .55148$